Please add on page 11 line 3 the equation as follows:

A3 (Amended) -- $\partial^2 Ey / \partial t^2 = A \cos(\omega t + \varphi°) + \Delta + (-)^{1/2} + zero\ vector$ –

Please add "/detection" on page 11 line 7 as follows:

(Amended) -- extraction /detection for *match-with-rotate* algorithm, $(-)^{1/2} = yod$ for *cusp root method* algorithm, --

In the Claims

Please add "/detected" on page 12 Claim 1 paragraph 2 line 5 as follows:

(Amended) -- digit positions intact where the matching digits were extracted /detected from, which are used –

Please add "and;" on page 12 Claim 1 paragraph 4 line 2 as follows:

(Amended) -- combinations of input values and each combination of seed matrices and;

Please add paragraph 5 on page 12 Claim 1 as follows:

A4 (Amended) – method of detection. --

Please amend page 13 Claim 4 on lines 4 and 5 as follows:

A5 (Amended) -- segmented by $x_n - x_{n-1} = r_n$ from which the matching digits were extracted /detected in the differential equation $m(dL/d\theta) = \pm kL + mg$ are coded in binary to 1.) simulink simulation code and routed to 2.) microcontroller (d-space), for --

Please amend page 13 Claim 5 line 8 as follows:

A6 (Amended) -- positions for data projection of clusters (FIG. 6). --

Please add Claims ~~11~~ 13 and ~~12~~ as follows:

12. The claim of 1 for numeric control and modeling in a signal detector (of an antenna receiver) for electromagnetic wave pattern recognition of the source.

A7 13. The claim of 1 for numeric control and modeling of a ±0°-90°-90° non-Euclidean circuit gate of a receiver.